

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/629,538
Confirmation No.: 6864
Filed: July 29, 2003
Inventor(s):
Lockwood et al.

Examiner: Unknown
Art Unit: 1614
Atty. Dkt. No: 5777-00201

Title: STRUCTURAL
CAROTENOID ANALOGS
FOR THE INHIBITION
AND AMELIORATION
OF DISEASE

CERTIFICATE OF MAILING
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INFORMATION DISCLOSURE STATEMENT

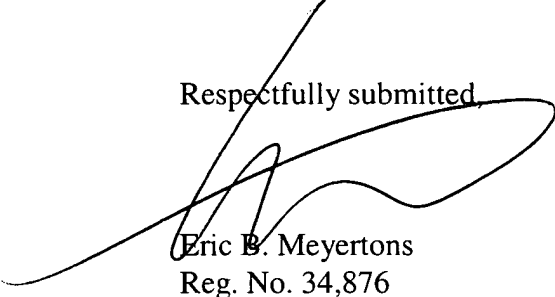
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

It is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents are enclosed for the convenience of the Examiner.

Should any fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 50-1505/5777-00201/EBM.

Respectfully submitted,



Eric B. Meyertons
Reg. No. 34,876

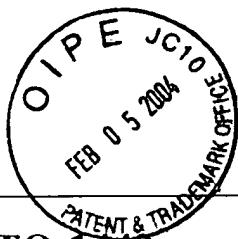
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ART UNIT: 1614

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**Form PTO-1449** (modified)

List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)

ATTY. DOCKET NO: 5777-00201

APPLICANT: Lockwood et al.

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

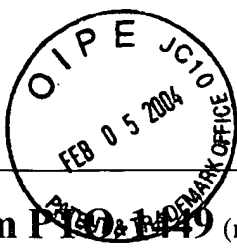
B1	Buchwald, M. and W.P. Jencks. "Optical properties of astaxanthin solutions and aggregates." <i>Biochemistry</i> 1968, 7: 834-843.
B2	Reznikoff <i>et al</i> "Quantitative and Qualitative Studies of Chemical Transformation of Cloned C3H Mouse Embryo Cells Sensitive to Postconfluence Inhibition of Cell Division." <i>Cancer Research</i> , 1973, 33:2339-2349.
B3	Andrewes <i>et al.</i> "Animal carotenoids. 9. On the absolute configuration of astaxanthin and actinioerythrin." <i>Acta Chem. Scand.</i> 1974, B28:730-736.
B4	Salares <i>et al.</i> "Resonance Raman spectra of lobster shell carotenoproteins and a model astaxanthin aggregate. A possible photobiological function for the yellow protein." <i>Biochemistry</i> 1977, 16:4751-4756.
B5	Salares <i>et al.</i> "Excited state (exciton) interactions in polyene aggregates". <i>J. Raman Spectr.</i> 1977, 6: 282-288.
B6	Halliwell, B. "Superoxide-dependent formation of hydroxyl radicals in the presence of iron chelates. Is it a mechanism for hydroxyl radical production in biological systems?" <i>FEBS Lett</i> 1978, 92:321-326.
B7	Harada <i>et al.</i> "Circular dichroic power due to chiral exciton coupling between two polyacene chromophores." <i>J. Am. Chem. Soc.</i> 1978, 100:4029-4036.
B8	Stuber <i>et al.</i> "A new synthesis of L-threo-hex-2-enaro-1,4-lactone ("saccharoascorbic" acid): a method for the protection of the enediol of ascorbic acid." <i>Carb. Res.</i> 1978, 60:251-258.
B9	Bock <i>et al.</i> "Preparation of some bromodeoxyaldonic acids." <i>Carb. Res.</i> 1979, 68:313-319.
B10	Merriman and Bertram "Reversible inhibition by retinoids of 3-methylcholanthrene- induced neoplastic transformation in C3H10T1/2 cells." <i>Cancer Research</i> 1979, 39:1661-1666
B11	Noack and Thomson "Conformation and optical-activity of all-trans, mono-cis, and di-cis carotenoids - temperature-dependent circular-dichroism." <i>Helv. Chim. Acta</i> 1979, 62: 1902-1921.
B12	Müller <i>et al.</i> "Contribution to the analytical separation and the synthesis of 3-hydroxy-4-oxocarotenoids." <i>Helv. Chim. Acta</i> 1980, 63:1654-1664. German, Abstract Engl.
B13	Sturzenegger <i>et al.</i> "Classification of the CD spectra of carotenoids." <i>Helv. Chim. Acta</i> 1980, 63:1074-1092.

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Information Disclosure Statement--PTO 1449 (modified)



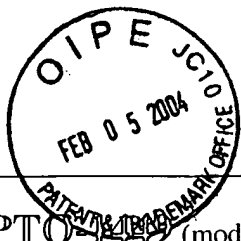
Form PTO 1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATTY. DOCKET NO: 5777-00201 APPLICANT: Lockwood et al. FILING DATE: July 29,2003	SERIAL NO: 10/629,538 CONF. NO.: 6864 ART UNIT: 1614
B14	Bernhard <i>et al.</i> "Synthesis of optically-active natural carotenoids and structurally related-compounds. 9. Synthesis of (3R)-hydroxyechinenone, (3R,3'R)-adonixanthin and (3R,3'S)-adonixanthin, (3R)-adonirubin, their optical antipodes and related-compounds." <i>Helv. Chim. Acta.</i> 1981, 64:2469-2484. Summary Engl. Article German.		
B15	Noack and Thomson "Temperature and concentration dependent circular-dichroism of mono- <i>cis</i> and di- <i>cis</i> isomers of (3R,3'S)-astaxanthin diacetate." <i>Helv. Chim. Acta.</i> 1981, 64: 2383-2392.		
B16	Braunwald and Kloner "The stunned myocardium-prolonged post-ischemic ventricular dysfunction." <i>Circulation</i> 1982, 66:1146-1149.		
B17	Harada and Nakanishi "Circular Dichroic Spectroscopy – Exciton Coupling in Organic Stereochemistry", 1983, University Science Books, Mill Valley (CA).		
B18	Goodman "Mechanisms of disease: Vitamin A and retinoids in health and disease." <i>New England Journal Medicine</i> 1984, 310:1023-1031.		
B19	Bertram. "Neoplastic Transformation in Cell Cultures: In Vitro/In-Vivo Correlations." <i>IARC Sci.Pub.</i> 1985, 67:77-91.		
B20	Myers <i>et al.</i> "Enhancement of recovery of myocardial function by oxygen free radical scavengers after reversible myocardial ischemia." <i>Circulation</i> 1985, 72:915-921		
B21	Ambrosio <i>et al.</i> "Reduction in experimental infarct size by recombinant human superoxide dismutase: insights into the pathophysiology of reperfusion injury." <i>Circulation</i> 1986, 74:1424-1433.		
B22	Blaustein <i>et al.</i> "Influence of exogenously generated oxidant species on myocardial function." <i>American Journal of Physiology</i> 1986, 250: H595-H599.		
B23	Gey, K. F. "On the antioxidant hypothesis with regard to atherosclerosis." <i>Biblthca Nutr. Dieta</i> 1986, 37:53-91.		
B24	Bolli <i>et al.</i> "The iron chelator desferioxamine attenuates postischemic ventricular dysfunction." <i>American Journal of Physiology</i> 198, 7253:H1372-H1380.		
B25	Bolli <i>et al.</i> "Attenuation of dysfunction in the postischemic 'stunned' myocardium by dimethylurea." <i>Circulation</i> 1987, 76:458-468.		
B26	Gross <i>et al.</i> "Beneficial actions of superoxide dismutase and catalase in stunned myocardium of dogs." <i>American Journal of Physiology</i> 1986, 250:H372-H377		
B27	Hearse <i>et al.</i> "Xanthine oxidase: a critical mediator of myocardial injury during ischemia and reperfusion." <i>Acta Physiol Scand</i> 1986, 548:65-74.		
B28	Such <i>et al.</i> "Beneficial effects of N-acetylcysteine on acute myocardial infarction in open chest dogs." <i>Arch Pharmacol Toxicol</i> 1986, 12:37-40.		

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		APPLICANT: Lockwood et al.	CONF. NO.: 6864
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B29	Bolli <i>et al.</i> "The iron chelator desferioxamine attenuates postischemic ventricular dysfunction." <i>American Journal of Physiology</i> 1987, 253:H1372-H1380		
B30	Bolli, R. "Oxygen-derived free radicals and post-ischemic myocardial dysfunction ('stunned myocardium')." <i>Journal of the American College of Cardiology</i> 1988, 12:239-249.		
B31	Cross <i>et al.</i> "Oxygen radicals and human disease." <i>Ann. Intern. Med.</i> 1987, 107:526-545.		
B32	Simpson <i>et al.</i> "Free radicals and myocardial ischemia and reperfusion injury." <i>J Lab Clin Med</i> 1987, 110:13-30.		
B33	Mehta <i>et al.</i> "Neutrophils as potential participants in acute myocardial ischemia: relevance to reperfusion." <i>Journal of the American College of Cardiology</i> 1988, 11: 1309-1316.		
B34	Liao, M.-L., Ying, X.-Y., Chung, C., Liang, Y.-T. and Sieb, P.A. 1988 "Synthesis of L-ascorbate and 6-phosphate. <i>Carb. Res.</i> 176: 73-77.		
B35	Hearse, D. J., and Tosaki, A. "Free radicals and calcium: simultaneous interacting triggers as determinants of vulnerability to reperfusion-arrhythmias in the rat heart". <i>Journal of Molecular and Cellular Cardiology</i> 1988, 20:213-223.		
B36	Mashovsky, M. D. Tocopherol acetate (Tocopheroli acetas) 6-Acetoxy-2-methyl-2-(4,8,12-trimethyltridecyl)-chromane". Pages 37-38. Aevit (Aevitum). Page 41. Acetylsalicylic acid (Acidum acetylsalicylicum). Page 190. 1988, In <i>Medicinal Substances</i> , Part 2, 1988. (Russian, abstracts in English).		
B38	Pung <i>et al.</i> "β-Carotene and canthaxanthin inhibit chemically- and physically-induced neoplastic transformation in 10T1/2 cells." <i>Carcinogenesis</i> , 1988, 9: 533-1539.		
B39	Bertram, <i>et al.</i> "Development of in vitro systems for chemoprevention research". <i>Prev.Med.</i> 1989, 18:562-575.		
B40	Bolli <i>et al.</i> "Direct evidence that oxygen-derived free radicals contribute to post-ischemic myocardial dysfunction in the intact dog." <i>Proceeding of the National Academy of Sciences, U.S.A.</i> 1989, 86:4695-4699		
B41	Opie, L. H. "Reperfusion injury and its pharmacologic modification." <i>Circulation</i> 1989, 80:1049-1092.		
B42	Steinberg <i>et al.</i> "Beyond cholesterol: modifications of low-density lipoprotein that increase its atherogenicity." <i>New England Journal of Medicine</i> 1989, 320: 915.		
B43	Terao, J. "Antioxidant activity of beta-carotene-related carotenoids in solution." <i>Lipids</i> 1989, 24: 659-661.		
B44	In <i>Drug Facts and Comparisons</i> . 1990 Ed. Sewester, C. S., Olin, B. R., Hebel, S. K., Eds. Facts and Comparisons Division, J. B. Lippincott Co., St. Louis, MO. Pages 6, 7, 13, 14, 60, 62, 997, 998		

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Information Disclosure Statement--PTO 1449 (modified)



Form PTO 449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
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ATTY. DOCKET NO: 5777-00201

SERIAL NO: 10/629,538

APPLICANT: Lockwood et al.

CONF. NO.: 6864

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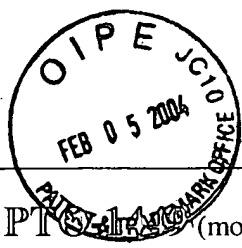
ART UNIT: 1614

B45	Chopra <i>et al.</i> "Free radical scavenging: potentially beneficial action of thiol-containing angiotensin-converting enzyme inhibitors." <i>Biochem Soc Trans</i> 1990, 18:1184-1185.
B46	Davies <i>et al.</i> "Lipid peroxidation associated with successful thrombolysis." <i>Lancet</i> 1990, 335:741-743.
B48	Di Mascio <i>et al.</i> "Carotenoids, tocopherols, and thiols and biological singlet molecular oxygen quenchers." <i>Biochem Soc Trans</i> 1990, 18: 1054-1056.
B49	Fedan, J. S. 1990 "Anticoagulant, antiplatelet, and fibrinolytic (thrombolytic) drugs." In <u>Modern Pharmacology</u> . Third Ed, Little, Brown and Co., Boston, MA.
B50	Johansson <i>et al.</i> "Recombinant human extracellular superoxide dismutase reduces concentration of oxygen free radicals in the reperfused rat heart." <i>Cardiovascular Research</i> 1990, 24:500-503.
B51	Kurashige <i>et al.</i> "Inhibition of oxidative injury of biological membranes by astaxanthin." <i>Physiol Chem Phys & Med NMR</i> 1990, 22:27-38.
B52	Rogers <i>et al.</i> "Retinoid-enhanced gap junctional communication is achieved by increased levels of connexin 43 mRNA and protein" <i>Molecular Carcinogenesis</i> 1990, 3: 335-343.
B53	Shuter <i>et al.</i> "Studies on the effects of antioxidants and inhibitors of radical generation on free radical production in the reperfused rat heart using electron spin resonance spectroscopy." <i>Free Radical Research Communications</i> 1990, 9: 223-232.
B54	Williams <i>et al.</i> "The relationship between neutrophils and increased microvascular permeability in a model of myocardial ischemia and reperfusion in the rabbit." <i>British Journal of Pharmacology</i> , 1990, 100: 729-734.
B55	Bertram <i>et al.</i> "Diverse carotenoids protect against chemically induced neoplastic transformation." <i>Carcinogenesis</i> , 1991, 12: 671-678.
B56	Di Mascio <i>et al.</i> "Antioxidant defense systems: the role of carotenoids, tocopherols, and thiols." <i>Am J Clin Nutr</i> 1991, 53: 194S-200S.
B57	Axford-Gatley and Wilson "Reduction of experimental myocardial infarct size by oral administration of alpha-tocopherol." <i>Cardiovascular Research</i> , 1991, 25: 89-92.
B58	Conorev <i>et al.</i> "Improvement of contractile recovery of isolated rat heart after cardioplegic ischemic arrest with endogenous phosphocreatine: involvement of antiperoxidative effect?" <i>Cardiovascular Research</i> 1991, 25: 164-171.
B59	Esterbauer <i>et al.</i> "Effect of antioxidants on oxidative modification of LDL." <i>Ann Med</i> 1991, 23(5): 573-581.
B60	McMurray and Chopra "Influence of ACE inhibitors on free radicals and reperfusion injury: pharmacological curiosity or therapeutic hope?" <i>British Journal of Pharmacology</i> 1991, 31: 373-379
B61	Petty <i>et al.</i> "Effect of a cardioselective alpha-tocopherol analogue on reperfusion injury in rats induced by myocardial ischemia." <i>European Journal of Pharmacology</i> 1991, 192: 383-388.
B62	Miki, W. "Biological functions and activities of animal carotenoids." <i>Pure Appl Chem</i> 1991, 63(1): 141-146.

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	B63	Welbourn <i>et al.</i> "Pathophysiology of ischemia reperfusion injury: central role of the neutrophil." <i>British Journal of Surgery</i> 1991, 78: 651-655.
	B64	Gabrielson <i>et al.</i> "Measurement of neutrophil activation and epidermal cell toxicity by palytoxin and 12-O-tetradecanoylphorbol-13-acetate." <i>Carcinogenesis</i> 1992, 13 1671-1674.
	B65	Hearse and Bolli . "Reperfusion induced injury: manifestations, mechanisms, and clinical relevance." <i>Cardiovascular Research</i> 1992, 26:101-108.
	B67	Kimura <i>et al.</i> "Moderation of myocardial ischemia reperfusion injury by calcium channel and calmodulin receptor inhibition." <i>Heart Vessels</i> 1992, 7:189-195.
	B68	Lim <i>et al.</i> "Antioxidant activity of xanthophylls on peroxy radical-mediated phospholipid peroxidation." <i>Biochim. Biophys. Acta</i> 1992, 1126: 178-184.
	B69	Palozza, P. and Krinsky, N. I. "Astaxanthin and canthaxanthin are potent antioxidants in a membrane model." <i>Arch. Biochem. Biophys.</i> 1992, 297: 291-295
	B70	Zhang <i>et al.</i> "Carotenoids up-regulate connexin 43 gene expression independent of their pro-vitamin A or antioxidant properties." <i>Cancer Res.</i> , 1992, 52: 5707-5712.
	B71	Ames <i>et al.</i> "Oxidants, antioxidants, and the degenerative diseases of aging." <i>Proceeding of the National Academy of Sciences, U.S.A.</i> 1993, 90:7915-7922.
	B72	Baxter, G. F., and Yellon, D. M. "Attenuation of reperfusion-induced ventricular fibrillation in the rat isolated hypertrophied heart by preischemic diltiazem treatment." <i>Cardiovasc Drugs Ther</i> (1993). 7: 225-231.
	B73	Clevidence, B. A., and Bieri, J. G. "Association of carotenoids with human plasma lipoproteins." <i>Methods in Enzymology</i> (1993) 214: 33-46.
	B74	Grech <i>et al.</i> "Free-radical generation during angioplasty reperfusion for acute myocardial infarction." <i>Lancet</i> (1993). 341: 990-991.
	B75	Grech <i>et al.</i> "Differential free-radical activity after successful and unsuccessful thrombolytic reperfusion in acute myocardial infarction." <i>Coron. Artery Dis.</i> (1993). 4(9): 769-74.
	B76	Hossain <i>et al.</i> "Retinoids and carotenoids upregulate gap junctional communication: correlation with enhanced growth control and cancer prevention." In <i>Progress in Cell Research Vol. 3: Gap Junctions</i> . (1993) Elsevier, Amsterdam, pp 301-309.
	B77	Jimenez, C., and Pick, U. "Differential reactivity of beta-carotene isomers from <i>Dunaliella bardawil</i> toward oxygen radicals." <i>Plant Physiol</i> (1993). 101: 385-390
	B78	Oshima <i>et al.</i> "Inhibitory effect of beta-carotene and astaxanthin on photosensitized oxidation of phospholipid bilayers." <i>J Nutrit Sci Vitaminol</i> (1993). 39: 607-615.
	B79	Bertram, J.S. and Zhang, L.-X. Assays for the regulation of gap junctional communication and connexin expression by carotenoids. (1994) <i>Methods Enzymol.</i> 234: 235-244.

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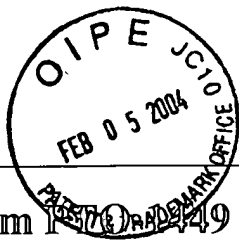
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B80	MacIsaac <i>et al.</i> "Toward the quiescent coronary plaque." <i>Journal of the American College of Cardiology</i> (1993) 22:1228-1241.		
B81	Oliveros <i>et al.</i> Quenching of singlet oxygen by carotenoid derivatives: kinetic analysis by near-infrared luminescence <i>New J. Chem.</i> (1994) 18:535-539.		
B82	Singh <i>et al.</i> "Plasma levels of antioxidant vitamins and oxidative stress in patients with acute myocardial infarction." <i>Acta Cardiologica</i> (1994) Vol. XLIX 5: 441-452.		
B83	Tinkler <i>et al.</i> "Dietary carotenoids protect human cells from damage." <i>Journal of Photochemistry and Photobiology.</i> (1994) 26: 283-285.		
B84	Britton, G. "Structure and properties of carotenoids in relation to function." <i>The FASEB Journal</i> , (1995) 9: 1551-1558.		
B85	Leist <i>et al.</i> "Tumor necrosis factor-induced hepatocyte apoptosis precedes liver failure in experimental murine shock models." <i>American Journal of Pathology</i> (1995) 146: 1220-1234.		
B86	Navab <i>et al.</i> "Pathogenesis of atherosclerosis." <i>American Journal of Cardiology</i> (1995) 76(9): 18C-23C.		
B87	Peters, N. S. "Myocardial gap junction organization in ischemia and infarction." <i>Microsc. Res. Tech.</i> (1995) 31, 375-386.		
B88	Singh <i>et al.</i> "Plasma levels of antioxidant vitamins and oxidative stress in patients with acute myocardial infarction." <i>Acta Cardiologica</i> (1994). Vol. XLIX 5: 441-452.		
B89	Singh <i>et al.</i> "Effect of antioxidant-rich foods on plasma ascorbic acid, cardiac enzymes, and lipid peroxide levels in patients hospitalized with acute myocardial infarction." <i>J Am Diet Assoc</i> (1995). 95: 775-780.		
B90	Torrissen, O. J., and Christiansen, R. "Requirements for carotenoids in fish diets." <i>J Appl Ichthyol</i> (1995). 11: 225-230.		
B91	Aviram, M. "Interaction of oxidized low density lipoprotein with macrophages in atherosclerosis, and the antiatherogenicity of antioxidants." <i>Eur J Clin Chem Clin Biochem</i> (1996). 34(8): 599-608.		
B92	Ben-Amotz, A., and Levy, Y. "Bioavailability of a natural isomer mixture compared with synthetic all-trans beta-carotene in human serum." <i>Am J Clin Nutr</i> (1996). 63: 729-734.		
B93	Mayne, S. "Beta-carotene, carotenoids, and disease prevention in humans." <i>The FASEB Journal</i> (1996). 10: 690-701.		
B94	Moore, A.S., and Papas, A. M. "Biochemistry and health significance of Vitamin E." <i>J. Adv. Med.</i> (1996). 9 11-29.		
B95A	Parker, R. S. Absorption, metabolism, and transport of carotenoids. <i>The FASEB Journal</i> (1996) 10: 542-551.		

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	B95	Peters, T. "Ligand binding by albumin." In <u>All About Albumin</u> , Academic Press, San Diego (CA), 1996. Pages 76-128.
	B96	Schaer <i>et al.</i> "Beneficial effects of RheothRx injection in patients receiving thrombolytic therapy for acute myocardial infarction. Results of a randomized, double-blind, placebo-controlled trial." <i>Circulation</i> (1996) 94(3): 298-307
	B97	Shimidzu <i>et al.</i> "Carotenoids as singlet oxygen quenchers in marine organisms." <i>Fisheries Science</i> (1996). 62(1): 134-137.
	B98	Serrano <i>et al.</i> "Superoxide and hydrogen peroxide induce CD18-mediated adhesion in the postischemic heart." <i>Biochim. Biophys. Acta</i> (1996). 1316: 191-202.
	B99	Singh <i>et al.</i> "Usefulness of antioxidant vitamins in suspected acute myocardial infarction (the Indian experiment of infarct survival-3)." <i>Am J Cardiol</i> (1996). 77: 232-236.
	B100	Stephens <i>et al.</i> "Randomised controlled trial of vitamin E in patients with coronary disease: Cambridge Heart Antioxidant Study (CHAOS)." <i>Lancet</i> (1996). 347(9004): 781-6
	B101	Goulinet, S., and Chapman, M. J. "Plasma LDL and HDL subspecies are heterogeneous in particle content of tocopherols and oxygenated and hydrocarbon carotenoids: relevance to oxidative resistance and atherogenesis." <i>Arterioscler Thromb Vasc Biol</i> (1997). 17: 786-796.
	B102	Kim <i>et al.</i> "Zeaxanthin dipalmitate from <i>Lycium chinense</i> has hepatoprotective activity." <i>Res. Comm. Mol. Path. Pharm.</i> (1997). 97: 301-314.
	B103	Maxwell and Lip "Reperfusion injury: a review of the pathophysiology, clinical manifestations and therapeutic options." <i>Int J Cardiol</i> (1997). 58: 95-117
	B104	Mortensen <i>et al.</i> "Comparative mechanisms and rates of free radical scavenging by carotenoid antioxidants." <i>FEBS Lett.</i> (1997) 418: 91-97.
	B105	Oshima <i>et al.</i> "Accumulation and clearance of capsanthin in blood plasma after the ingestion of paprika juice in men." <i>J Nutr</i> (1997). 127: 1475-1479.
	B106	Perkins <i>et al.</i> "Three-dimensional structure of the gap junction connexon." <i>Biophysical Journal</i> , (1997) 72, 533-544
	B107	Turujman <i>et al.</i> "Rapid liquid chromatographic method to distinguish wild salmon from aquacultured salmon fed synthetic astaxanthin." <i>Journal of AOAC International</i> (1997). 80(3): 622-632
	B108	Holvoet <i>et al.</i> "Oxidized LDL and malondialdehyde-modified LDL in patients with acute coronary syndromes and stable coronary artery disease." <i>Circulation</i> (1998) 98: 1487-1494
	B109	Kaprielian <i>et al.</i> "Downregulation of immunodetectable connexin 43 and decreased gap junction size in the pathogenesis of chronic hibernation in the human left ventricle." <i>Circulation</i> (1998). 97: 651-60.
	B110	Levy <i>et al.</i> "Plasma antioxidants and lipid peroxidation in acute myocardial infarction and thrombolysis." <i>J Am Coll Nutr</i> (1998). 17 (4): 337-341.

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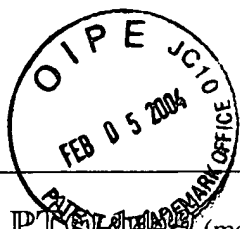
Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATTY. DOCKET NO: 5777-00201 APPLICANT: Lockwood et al. FILING DATE: July 29,2003	SERIAL NO: 10/629,538 CONF. NO.: 6864 ART UNIT: 1614
B111	Saez <i>et al.</i> "Regulation of gap junctions by protein phosphorylation." <i>Braz.J.Med.Biol.Res.</i> , (1998) 31, 593-600.		
B112	Saffitz, J. E., and Yamada, K. A. "Do alterations in intercellular coupling play a role in cardiac contractile dysfunction?" <i>Circulation</i> (1998). 97: 630-632.		
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B114	Bertram, J. S. "Carotenoids and gene regulation." <i>Nutr Rev</i> (1999). 57(6): 182-191.		
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B118	Curry <i>et al.</i> "Fatty acid binding to human serum albumin: new insights from crystallographic studies". <i>Biochim. Biophys. Acta.</i> 1999, 1441:131-140.		
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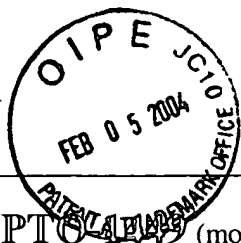


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B128	Sajkowska <i>et al.</i> "Fibrinolytic therapy and n-acetylcysteine in the treatment of patients with acute myocardial infarction: its influence on authentic plasma hydroperoxide levels and polymorphonuclear neutrophil oxygen metabolism." <i>Cardiology</i> (1999). 91: 60-65.	
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	B157 Petitpas <i>et al.</i> "Crystal structures of human serum albumin complexed with monounsaturated and polyunsaturated fatty acids." <i>The Journal of Molecular Biology</i> (2001). 314: 955-960.	
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	B159 Roe <i>et al.</i> "Shifting the open-artery hypothesis downstream: the quest for optimal reperfusion." <i>Journal of the American College of Cardiology</i> (2001). 37: 9-18.	
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•	B162 Zsila <i>et al.</i> "Induced chirality upon crocetin binding to human serum albumin: origin and nature." <i>Tetrahedron: Assymetry</i> (2001) 12: 3125-3137.	
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•	B164 Barrett <i>et al.</i> "C-reactive protein associated increase in myocardial infarct size after ischemia/reperfusion." <i>Journal of Pharmacology and Experimental Therapeutics</i> (2002). 303(3): 1007-1013.	
	B165 Bikádi <i>et al.</i> "The supramolecular structure of self-assembly formed by capsanthin derivatives." <i>Enantiomer</i> (2002) 7: 67-76.	
	B166 Choi <i>et al.</i> "Interactions of very long-chain saturated fatty acids with serum albumin." <i>J. Lipid Res.</i> (2002) 43: 1000-1010.	

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B167	Kistler <i>et al.</i> "Metabolism and CYP-inducer properties of astaxanthin in man and primary human hepatocytes." <i>Arch. Toxicol.</i> (2002) 75: 665-675.
B168	Kragh-Hansen <i>et al.</i> "Practical aspects of the ligand-binding and enzymatic properties of human serum albumin." <i>Biol. Pharm. Bull.</i> (2002) 25: 695-704.
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